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Tempalux® GF30



Tempalux® GF30 is a 30% glass reinforced, amorphous Polyetherimide (PEI) polymer. This product offers high dielectric strength, excellent strength at elevated temperatures, high modulus, and broad chemical resistance. With 30% glass fiber reinforcement the product offers greater levels of tensile strength, stiffness, and dimensional stability over 20% glass reinforced Tempalux®.

INDUSTRY



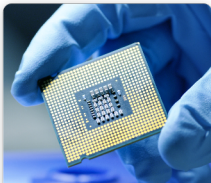
Aerospace & Defense



Chemical Process



Engineering



Semiconductor and ESD

COLORS AVAILABLE



Natural

ATTRIBUTES

 Dielectric Properties	
 Heat Resistant	
 Strength	
 Chemical Resistance	
 Dimensional Stability	
 Stiffness	

SHAPES

Compression Sheet	
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TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Flexural Modulus	D790	1,,3 kpsi	8,960 MPa
Flexural Strength - Break	D790	32.9 kpsi	227 MPa
Izod Impact Resistance - Notched	D256	1.59 ft-lb/in	85 J/m
Tensile Elongation @ Break	D638	3.00 %	3.00 %
Tensile Modulus	D638	1.3 kpsi	9,300 MPa
Tensile Strength @ Break	D638	22.9 kpsi	158 MPa
Tensile Strength @ Yield	D638	24 kpsi	168 MPa
Thermal			
HDT @ 264 psi	D648	410 °F	210 °C
HDT @ 64 psi	D648	413 °F	212 °C
Physical			
Moisture Absorption	D570	0.16 %	0.16 %
Specific Gravity	D792	1.51	1.51
Electrical			
Volume Resistivity	D257	30,967,680 ohm-ft	1,016,000 ohm-cm

*Data above is based on testing of injection molded test specimens



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PRODUCT SHAPES & DIMENSIONS

Compression Sheets: 24"W x 48"L (61cm x 122cm)

0.375" (9.53mm)

0.5" (12.7mm)

0.75" (19.05mm)

LAST REVISED: 01/30/2025

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